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## FINE CRYSTAL SILICON (54) PRODUCTION OF THIN

(57) Abstract:

bringing hydrogen atoms having high purity and a gaseous Si material such gas gaseous monosilane into reaction grain size and good quality without crystal Si film having a large crystal in a reaction vessel contg. The heated PURPOSE: To form a thin fine lattice distortion on a substrate by

6 heated to 50W350°C by a heater 7. quality on the surface of the substrate gaseous disilane or gaseous trisilane supplied into the reaction vessel 5. and thereafter the hydrogen atoms are stage of the generation thereof are concn. by a hydrogen atoms in the atoms having high chemical gaseous H2 introducing port 1 and large crystal grain size and good thin fine crystal Si film having the hydrogen atoms thereby forming the vessel 5 so as to react with the material introducing port 4 into the is supplied through a gaseous raw material such as gaseous monosilane, On the other hand, the gaseous Si raw removed by an impurity remover 3 reactively are generated to a high the electrically neutral hydrogen supplied into the vessel through a CONSTITUTION: Gaseous H2 is

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